Capital Improvement Program Development

State of Oklahoma

Presented by

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Airport Development Manager

Aeronautics Commission
OKLAHOMA

Independent Agency

- Separated July 1, 2002
- Channeling Legislation
- Administrative Codes and OASP guide system development

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Oklahoma Administrative Code Title 25

- Establishes OAC administrative procedures
- Establishes airport planning requirements
- Establishes requirements for grant program

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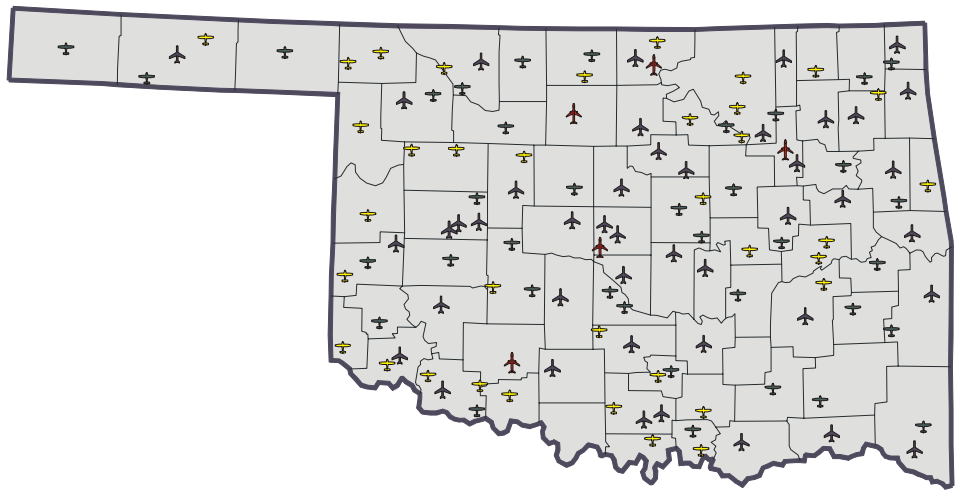
Oklahoma Airport System Plan (OASP)

- Adopted in December 1999
- The state policy used to develop the state airport system
- Communicates the role an airport plays in the system
- Guides classification of system airports



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Regional Business Airport

- Serves multiple communities
- Provides all weather access
- Provides full services
- Provides access for business jets
- 5,000 ft. x 75 ft.

District Airport

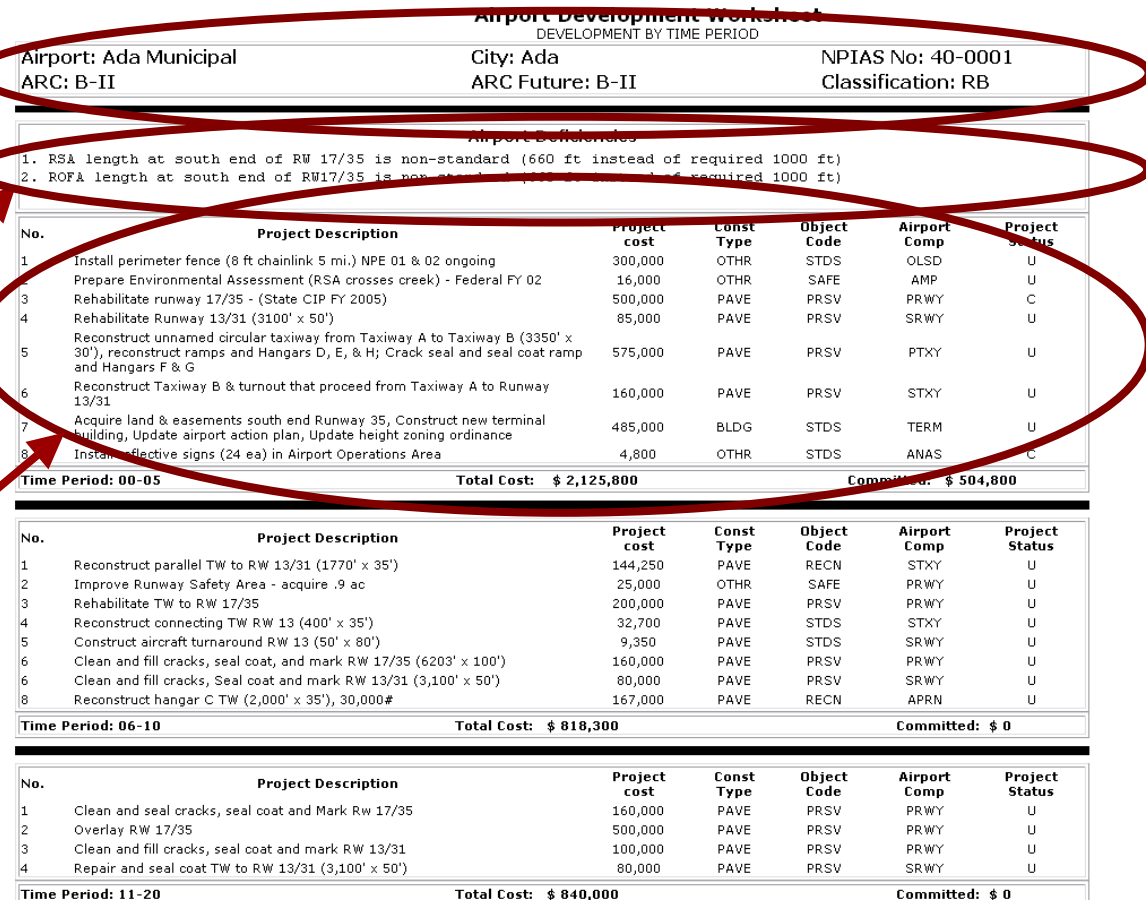
- Provides access for an area not served well by a regional business airport
- Provides some services
- Financially capable airport sponsor
- 4,000 ft. x 60 ft.

Community Airport

- Serves a small community
- Provides few or no services
- Financially limited airport sponsor
- Preservation projects

Airport Development Worksheets

- Prepared by sponsor and OAC staff
- Basic airport information
- Identifies deficiencies from standards
- Identifies capital improvements
- Short term needs – 0 to 5 yr, routinely loaded into NPIAS
- Invitation for letters of interest on a two year cycle
- http://www.aeronautics.state.ok.us



DEVELOPMENT BY TIME PERIOD

Airport: Ada Municipal | City: Ada | NPIAS No: 40-0001
ARC: B-II | ARC Future: B-II | Classification: RB

1. RSA length at south end of RW 17/35 is non-standard (660 ft instead of required 1000 ft)
2. ROFA length at south end of RW17/35 is non-standard (660 ft instead of required 1000 ft)

No.	Project Description	Project cost	Const Type	Object Code	Airport Comp	Project Status
1	Install perimeter fence (8 ft chainlink 5 mi.) NPE 01 & 02 ongoing	300,000	OTHR	STDS	OLSD	U
2	Prepare Environmental Assessment (RSA crosses creek) - Federal FY 02	16,000	OTHR	SAFE	AMP	U
3	Rehabilitate runway 17/35 - (State CIP FY 2005)	500,000	PAVE	PRSV	PRWY	C
4	Rehabilitate Runway 13/31 (3100' x 50')	85,000	PAVE	PRSV	SRWY	U
5	Reconstruct unnamed circular taxiway from Taxiway A to Taxiway B (3350' x 30'), reconstruct ramps and Hangars D, E, & H; Crack seal and seal coat ramp and Hangars F & G	575,000	PAVE	PRSV	PTXY	U
6	Reconstruct Taxiway B & turnout that proceed from Taxiway A to Runway 13/31	160,000	PAVE	PRSV	STXY	U
7	Acquire land & easements south end Runway 35, Construct new terminal building, Update airport action plan, Update height zoning ordinance	485,000	BLDG	STDS	TERM	U
8	Install reflective signs (24 ea) in Airport Operations Area	4,800	OTHR	STDS	ANAS	C

Time Period: 00-05 | Total Cost: $ 2,125,800 | Committed: $ 504,800

No.	Project Description	Project cost	Const Type	Object Code	Airport Comp	Project Status
1	Reconstruct parallel TW to RW 13/31 (1770' x 35')	144,250	PAVE	RECN	STXY	U
2	Improve Runway Safety Area - acquire .9 ac	25,000	OTHR	SAFE	PRWY	U
3	Rehabilitate TW to RW 17/35	200,000	PAVE	PRSV	PRWY	U
4	Reconstruct connecting TW RW 13 (400' x 35')	32,700	PAVE	STDS	STXY	U
5	Construct aircraft turnaround RW 13 (50' x 80')	9,350	PAVE	STDS	SRWY	U
6	Clean and fill cracks, seal coat, and mark RW 17/35 (6203' x 100')	160,000	PAVE	PRSV	PRWY	U
6	Clean and fill cracks, Seal coat and mark RW 13/31 (3,100' x 50')	80,000	PAVE	PRSV	SRWY	U
8	Reconstruct hangar C TW (2,000' x 35'), 30,000#	167,000	PAVE	RECN	APRN	U

Time Period: 06-10 | Total Cost: $ 818,300 | Committed: $ 0

No.	Project Description	Project cost	Const Type	Object Code	Airport Comp	Project Status
1	Clean and seal cracks, seal coat and Mark Rw 17/35	160,000	PAVE	PRSV	PRWY	U
2	Overlay RW 17/35	500,000	PAVE	PRSV	PRWY	U
3	Clean and fill cracks, seal coat and mark RW 13/31	100,000	PAVE	PRSV	PRWY	U
4	Repair and seal coat TW to RW 13/31 (3,100' x 50')	80,000	PAVE	PRSV	SRWY	U

Time Period: 11-20 | Total Cost: $ 840,000 | Committed: $ 0

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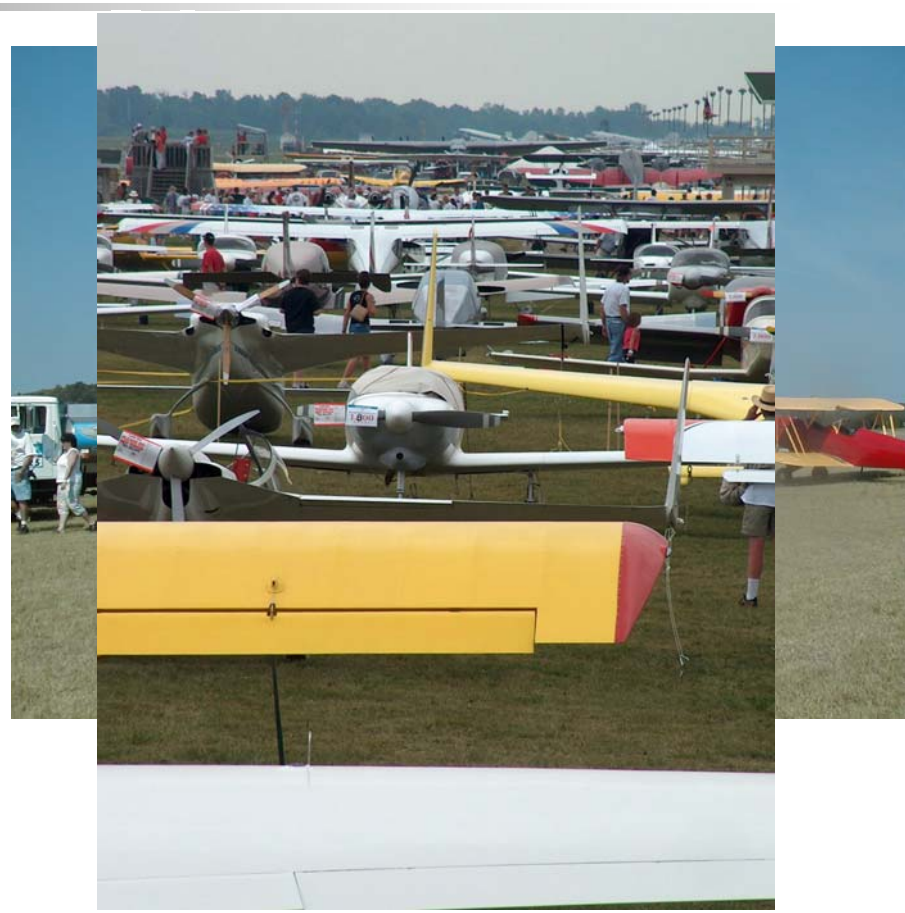
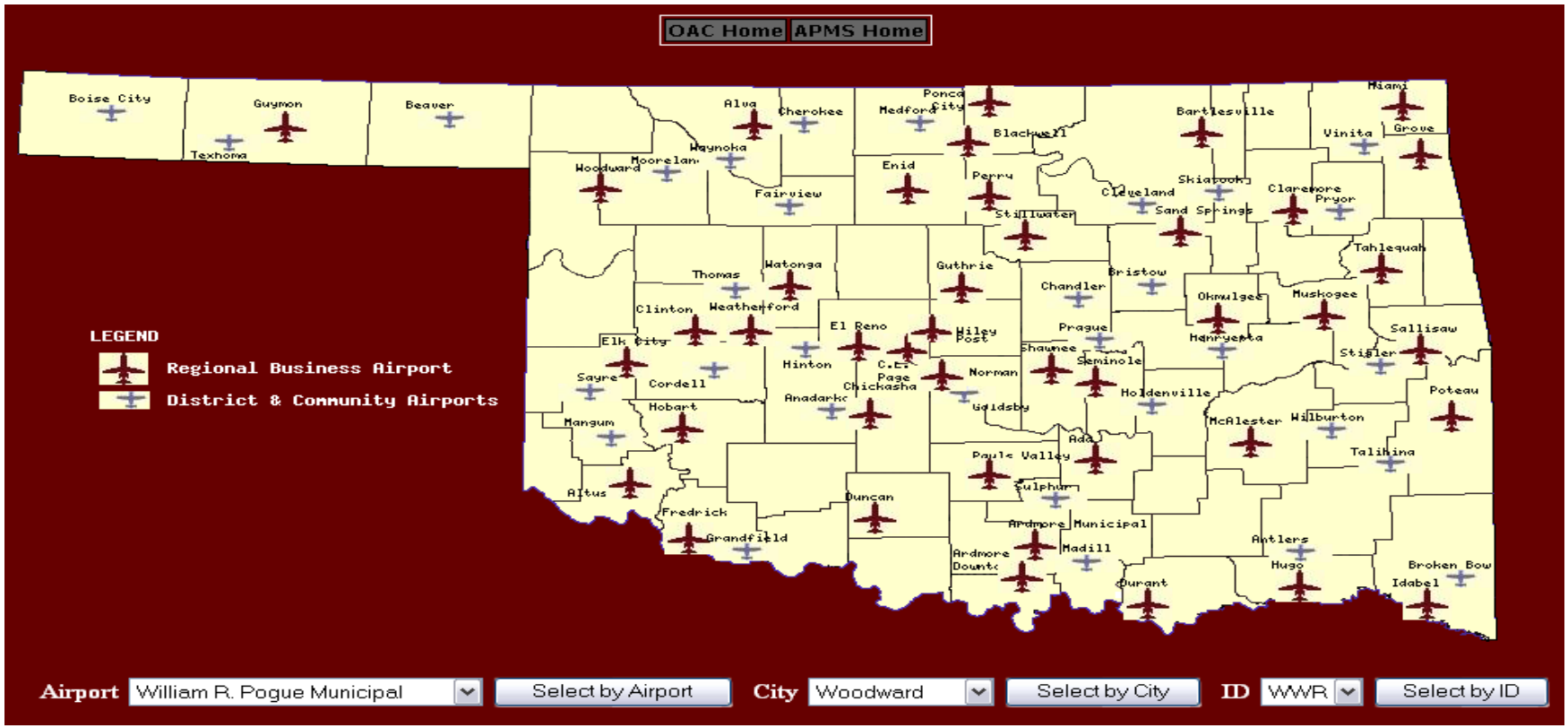
Airport Development Worksheets Evaluation

Staff evaluations are based on:

- Project descriptions, justifications, and cost estimates
- Airport system priorities
- Aircraft operations
- Critical aircraft
- Active based aircraft
- Population service area
- Pavement Condition



Pavement Management Program



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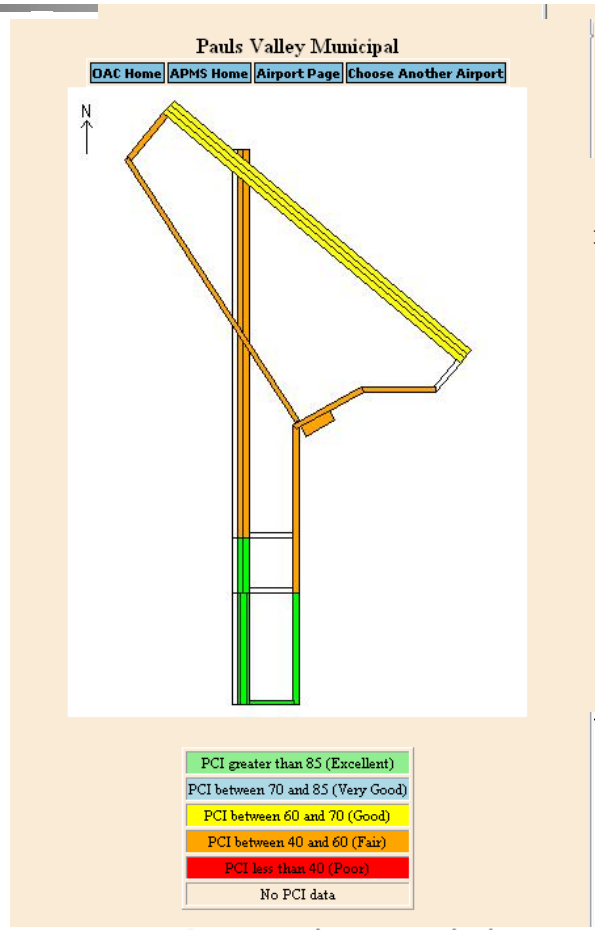
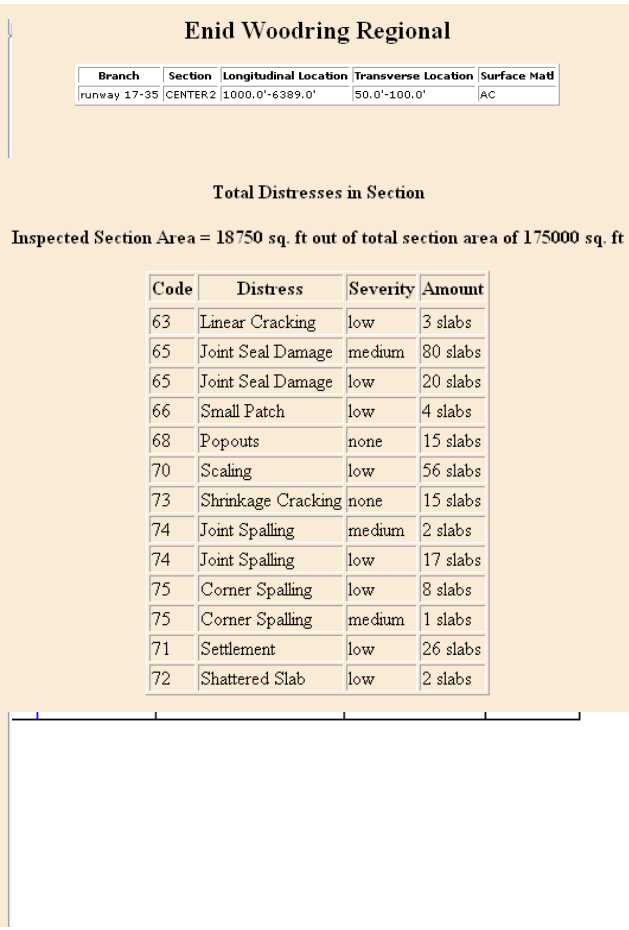
Airport Information

- Construction history
- Pavement type
- Pavement thickness
- General geotechnical information
- Pavement Condition





Enid Woodring Regional

Branch	Section	Longitudinal Location	Transverse Location	Surface Matl
runway 17-35	CENTER2	1000.0'-6389.0'	50.0'-100.0'	AC

Total Distresses in Section

Inspected Section Area = 18750 sq. ft out of total section area of 175000 sq. ft

Code	Distress	Severity	Amount
63	Linear Cracking	low	3 slabs
65	Joint Seal Damage	medium	80 slabs
65	Joint Seal Damage	low	20 slabs
66	Small Patch	low	4 slabs
68	Popouts	none	15 slabs
70	Scaling	low	56 slabs
73	Shrinkage Cracking	none	15 slabs
74	Joint Spalling	medium	2 slabs
74	Joint Spalling	low	17 slabs
75	Corner Spalling	low	8 slabs
75	Corner Spalling	medium	1 slabs
71	Settlement	low	26 slabs
72	Shattered Slab	low	2 slabs

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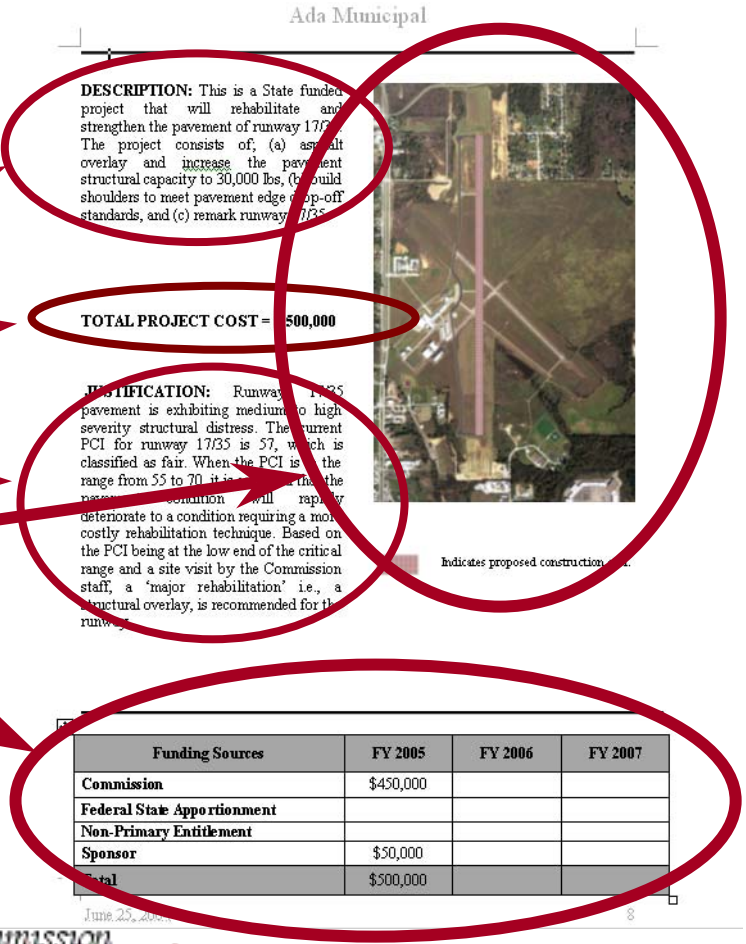
Capital Improvement Program Contents

- The CIP identifies highest priority needs of the airport system and is constrained by funding:
  - Project description
  - Project cost
  - Project justification
  - Location of construction
  - Funding year and source of funds
  - Benefits



Ada Municipal

DESCRIPTION: This is a State funded project that will rehabilitate and strengthen the pavement of runway 17/3[illegible]. The project consists of; (a) asphalt overlay and increase the pavement structural capacity to 30,000 lbs, (b) build shoulders to meet pavement edge drop-off standards, and (c) remark runway [illegible].

TOTAL PROJECT COST = $500,000

JUSTIFICATION: Runway [illegible] pavement is exhibiting medium to high severity structural distress. The current PCI for runway 17/35 is 57, which is classified as fair. When the PCI is in the range from 55 to 70, it is [illegible] that the pavement condition will rapidly deteriorate to a condition requiring a more costly rehabilitation technique. Based on the PCI being at the low end of the critical range and a site visit by the Commission staff, a 'major rehabilitation' i.e., a structural overlay, is recommended for the runway.

Indicates proposed construction [illegible].

Funding Sources	FY 2005	FY 2006	FY 2007
Commission	$450,000		
Federal State Apportionment			
Non-Primary Entitlement			
Sponsor	$50,000		
Total	$500,000		

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Airport Information Management System

Online at ***http://www.aeronautics.state.ok.us***

Features

- Airport Guide
- Capital Improvement Program
- Administrative Codes
- Airport Development Worksheets
- Pavement Management
- AWOS
- Consultants list

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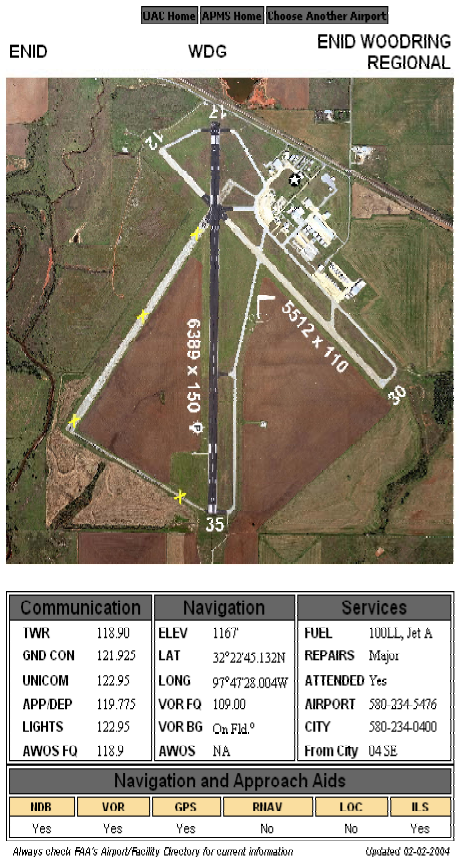
Airport Guide Page

- http://www.aeronautics.state.ok.us
- Lists fa
  - Cor
  - Nav
  - Ser
  - App
- Detaile



Communication		Navigation		Services	
TWR	118.90	ELEV	1167'	FUEL	100LL, Jet A
GND CON	121.925	LAT	36°22'45.132N	REPAIRS	Major
UNICOM	122.95	LONG	97°47'28.004W	ATTENDED	Yes
APP/DEP	119.775	VOR FQ	109.00	AIRPORT	580-234-5476
LIGHTS	122.95	VOR BG	On Fld.°	CITY	580-234-0400
AWOS FQ	118.9	AWOS	NA	From City	04 SE

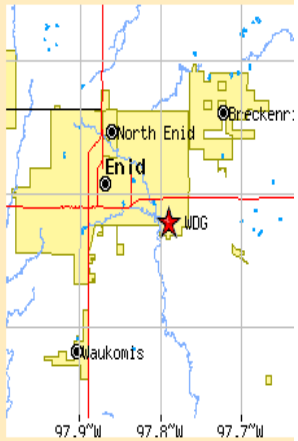
Navigation and Approach Aids					
NDB	VOR	GPS	RNAV	LOC	ILS
Yes	Yes	Yes	No	No	Yes

Always check FAA's Airport/Facility Directory for current information *Updated 02-02-2004*

ENID WOODRING

Airport Name: ENID WOODRING RGNL
Associated City: ENID
FAA Site Number: 18953.*A
Location Identifier: WDG
Data Effective Date: 06/10/2004 *provided by g.c.r. & associates,*

Info. | Services & Facilities | Based Aircraft & Operations | Runway Info. | Remarks



to Airport(NM):	04 SE
County:	GARFIELD
REG/ADO:	ASW NONE
CT AERO CHT:	WICHITA
Ownership:	PUBLIC
Owner:	CITY OF ENID
Address:	PO BOX 1768 ENID, OK 73702
Phone No:	580-234-0400
Manager:	DON CORNELL
Address:	RT 5 BOX 41 ENID, OK 73701
Phone No.:	580-234-5476
lance Schedule:	ALL MON-FRI 0600-2330 ALL SAT 0700-2100 ALL SUN 0700-2330
Airport Use:	PUBLIC
Airport Lat:	36-22-45.132N ESTIMATED
Airport Long:	097-47-28.004W
Airport Elev.:	1167 SURVEYED
Acreage:	1,206
Right Traffic:	02, 30, 35
m Landing Fee:	NO
NASP/Federal Agreement:	NGY3
FAR 139 Index:	

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